

displayable array, said graphically displayable array comprising a plurality of data points, each said data point representing one record of said plurality of records;

- c) arranging said plurality of records to construct said graphically displayable array for presenting said data in a format for detecting relationships  
5 between said plurality of records.

12. A computer system as recited in Claim 11 wherein said set of attributes comprises:

- at least one dividing attribute,  
10 a first ordering attribute corresponding to a first axis,  
a second ordering attribute corresponding to a second axis, and  
a visual indicator attribute corresponding to a visual indicator.

13. A computer system as recited in Claim 12 wherein said step c)  
15 comprises sorting said plurality of records by a first dividing attribute, said first dividing attribute corresponding to said first axis, and partitioning said plurality of records into groups according to said first dividing attribute;

14. A computer system as recited in Claim 13 wherein said step c) further  
20 comprises:

sorting said records of each said group according to said first ordering attribute and said second ordering attribute; and

applying said visual indicator to each of said plurality of records according to said visual indicator attribute.

15. A computer system as recited in Claim 13 wherein said step c) further  
5 comprises:

sorting said records of each of said groups according to a second dividing attribute, said second dividing attribute corresponding to said second axis, and partitioning said records of each of said groups into sub-groups according to said second dividing attribute;

10 sorting said records of each said sub-group according to said first ordering attribute and said second ordering attribute; and

applying said visual indicator to each of said plurality of records according to said visual indicator attribute.

15 16. A computer system as recited in Claim 11 wherein each said data point is represented by a pixel on a display.

17. A computer system as recited in Claim 12 wherein said first axis is a horizontal axis.

20

18. A computer system as recited in Claim 12 wherein said second axis is a vertical axis.

19. A computer system as recited in Claim 12 wherein said visual indicator is a color.

5 20. A computer system as recited in Claim 11 wherein said graphically displayable array is a pixel bar chart.

21. A computer-readable medium having computer-readable program code embodied therein for causing a computer system to perform a method for arranging data, said method comprising:

- 10 a) receiving said data comprising a plurality of records, each said record having a plurality of attributes;
- b) determining a set of attributes selected from said plurality of attributes, said set of attributes for placement of said plurality of records in a graphically displayable array, said graphically displayable array comprising a plurality of data points, each said data point representing one record of said plurality of records;
- 15 c) arranging said plurality of records to construct said graphically displayable array for presenting said data in a format for detecting relationships between said plurality of records.

20

22. A computer-readable medium as recited in Claim 21 wherein said set of attributes comprises: